

(57) Abstract

Disclosed is an agent for gene therapy of tumor, neurodegenerative, cardiovascular and autoimmune diseases, which can be used both in the medical field and in the pharmaceutical industry. The aim of the invention is to provide a totally new starting point for loco-regional therapy of tumors, more particularly liver metastasis, by combined application of liposomes/plasmid DNA complexes having different composition, quantities and concentrations. The essential point of the invention is a pharmaceutical agent comprising the following: one or more genetic materials which are nonencapsulated or encapsulated in PEG, immuno, immuno/PEG, cationic, optionally polymer-modified liposomes; lyophilized or degradable starch particles and/or gelatin and/or polymer particles, i.e. nanoparticles, and a contrast agent containing iodine, gadolinium, magnetite or fluorine.